

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P566144

Luminaire Tested: **4SNX-22SL-LC-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566144
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-22SL-LC-UNV-L840-CD
Description: 4FT 2200 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

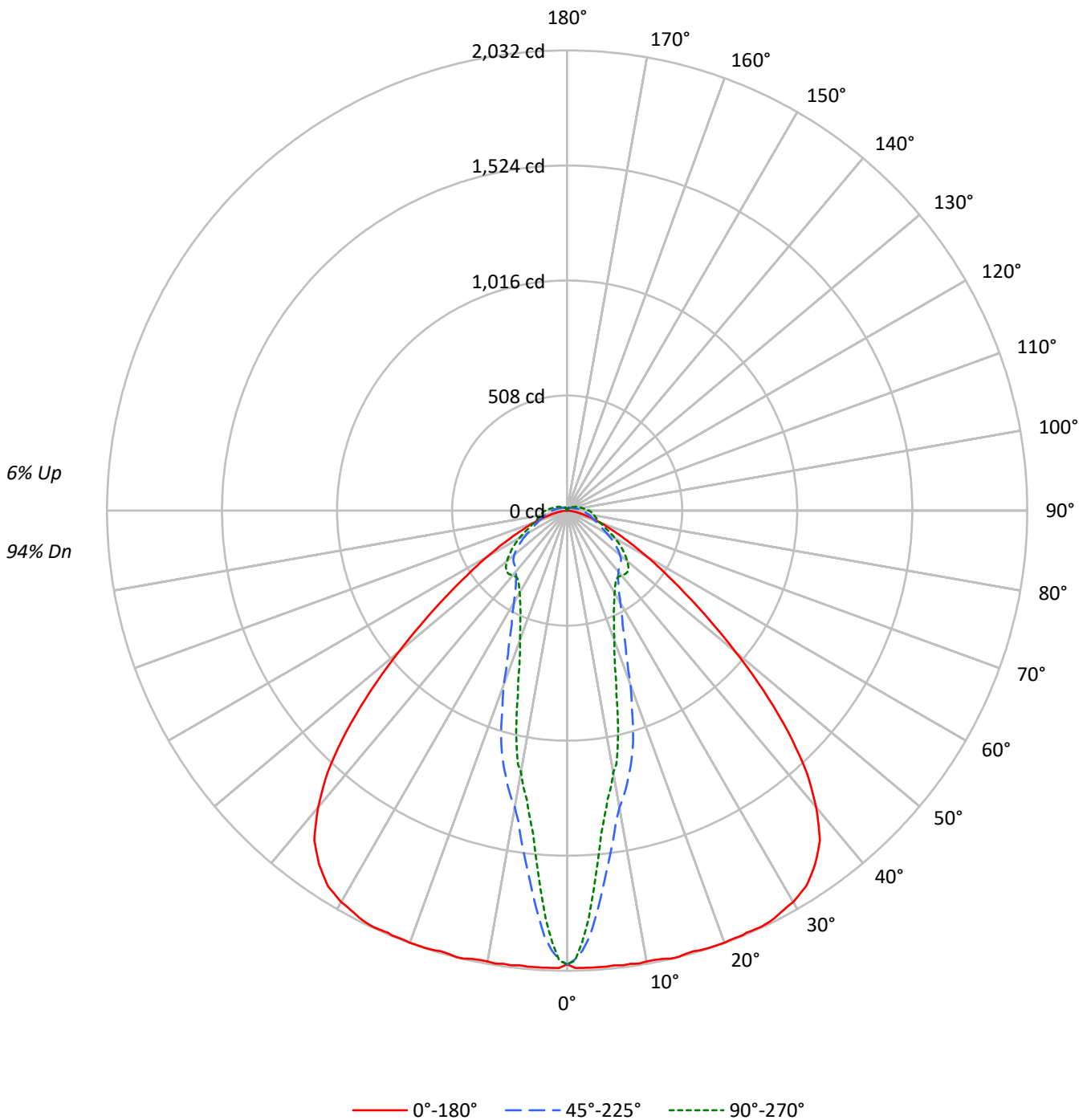
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2470.0 lumens
Efficiency: N/A
Efficacy: 179.0 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 13.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	21569	21569	21569
5°	21763	17715	15857
10°	21934	13373	11476
15°	22334	10932	7947
20°	22910	7911	5613
25°	23624	5667	4415
30°	24228	4527	3760
35°	24371	3830	3367
40°	23235	3481	3376
45°	20162	3363	3468
50°	15468	3199	3236
55°	11210	2797	2871
60°	8134	2334	2428
65°	5920	1975	1991
70°	4360	1743	1716
75°	3099	1615	1600
80°	2031	1512	1575
85°	954	1442	1577



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.6	6.4
10°-20°	342.2	13.9
20°-30°	391.7	15.9
30°-40°	392.4	15.9
40°-50°	371.4	15.0
50°-60°	284.9	11.5
60°-70°	183.6	7.4
70°-80°	117.1	4.7
80°-90°	77.8	3.1
90°-100°	52.3	2.1
100°-110°	34.4	1.4
110°-120°	24.0	1.0
120°-130°	16.7	0.7
130°-140°	11.6	0.5
140°-150°	7.1	0.3
150°-160°	3.6	0.1
160°-170°	1.4	0.1
170°-180°	0.3	0.0
0°-30°	891.5	36.1
0°-40°	1283.9	52.0
0°-60°	1940.2	78.5
0°-90°	2318.7	93.9
90°-120°	110.7	4.5
90°-150°	146.1	5.9
90°-180°	151.0	6.1
0°-180°	2470.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2004	2004	2004	2004	2004	
5°	2022	1910	1711	1596	1553	193
15°	2027	1460	1113	914	840	575
25°	2028	1033	589	511	487	935
35°	1909	575	394	381	376	1184
45°	1380	363	332	367	380	1049
55°	633	260	256	287	299	582
65°	253	163	161	184	190	260
75°	86	89	111	128	134	95
85°	11	40	78	102	110	16
90°	0	28	66	91	95	1
95°	0	20	54	75	78	0
105°	0	15	35	51	54	1
115°	1	13	27	37	39	1
125°	1	11	23	27	28	1
135°	1	9	18	22	23	1
145°	1	6	13	16	18	1
155°	1	4	8	11	13	1
165°	2	2	5	6	8	1
175°	2	2	2	2	1	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2003.8	2003.8	2003.8	2003.8	2003.8
1°	2020.2	2008.8	1982.3	1989.9	1988.6
2°	2020.2	1996.2	1944.3	1929.1	1906.3
3°	2021.5	1974.7	1886.1	1836.7	1805.1
4°	2021.5	1943.0	1800.0	1717.7	1677.2
5°	2021.5	1910.1	1711.4	1596.2	1553.2
6°	2019.0	1870.9	1621.5	1500.0	1435.4
7°	2022.8	1827.8	1540.5	1410.1	1359.5
8°	2021.5	1777.2	1465.8	1341.8	1286.1
9°	2025.3	1727.8	1384.8	1277.2	1235.4
10°	2021.5	1682.3	1331.6	1216.4	1173.4
11°	2021.5	1638.0	1293.7	1177.2	1140.5
12°	2024.0	1587.3	1251.9	1121.5	1070.9
13°	2030.4	1535.4	1203.8	1060.8	1001.3
14°	2031.6	1496.2	1159.5	983.5	921.5
15°	2026.6	1459.5	1112.7	913.9	840.5
16°	2024.0	1421.5	1057.0	848.1	782.3
17°	2029.1	1377.2	993.7	781.0	720.2
18°	2030.4	1336.7	926.6	730.4	677.2
19°	2030.4	1305.1	872.1	683.5	638.0
20°	2030.4	1274.7	816.5	648.1	608.9
21°	2027.8	1236.7	753.2	611.4	578.5
22.5°	2029.1	1165.8	681.0	568.4	541.8
23°	2025.3	1148.1	663.3	557.0	529.1
24°	2026.6	1097.5	625.3	534.2	507.6
25°	2027.8	1032.9	588.6	511.4	487.3
26°	2025.3	981.0	558.2	489.9	473.4
27°	2019.0	939.2	536.7	472.1	457.0
28°	2010.1	883.5	513.9	457.0	443.0
29°	2001.3	820.2	491.1	440.5	430.4
30°	1996.2	769.6	469.6	427.8	419.0
32.5°	1965.8	669.6	425.3	402.5	394.9
35°	1908.8	574.7	393.7	381.0	375.9
37.5°	1834.2	501.3	369.6	367.1	368.4
40°	1711.4	443.0	351.9	363.3	374.7
42.5°	1564.5	397.5	339.2	367.1	379.7
45°	1379.7	363.3	331.6	367.1	379.7
47.5°	1174.7	335.4	322.8	354.4	367.1
50°	969.6	310.1	305.1	335.4	346.8
52.5°	788.6	286.1	282.3	311.4	322.8
55°	632.9	259.5	255.7	287.3	298.7
57.5°	507.6	234.2	230.4	259.5	270.9
60°	405.1	208.9	202.5	231.6	243.0
62.5°	322.8	184.8	181.0	206.3	216.5
65°	253.2	163.3	160.8	183.5	189.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	200.0	143.0	144.3	163.3	170.9
70°	154.4	124.0	131.6	149.4	154.4
72.5°	116.5	105.1	121.5	136.7	143.0
75°	86.1	88.6	111.4	127.8	134.2
77.5°	59.5	73.4	102.5	120.3	126.6
80°	40.5	59.5	93.7	113.9	121.5
82.5°	24.1	49.4	86.1	107.6	116.5
85°	11.4	40.5	78.5	102.5	110.1
87.5°	3.8	32.9	70.9	97.5	103.8
90°	0.0	27.8	65.8	91.1	94.9
92.5°	0.0	24.1	59.5	83.5	86.1
95°	0.0	20.3	54.4	74.7	78.5
97.5°	0.0	19.0	50.6	67.1	72.2
100°	0.0	17.7	45.6	60.8	65.8
102.5°	0.0	15.2	40.5	54.4	59.5
105°	0.0	15.2	35.4	50.6	54.4
107.5°	1.3	13.9	32.9	45.6	50.6
110°	1.3	13.9	29.1	43.0	46.8
112.5°	1.3	13.9	27.8	39.2	44.3
115°	1.3	12.7	26.6	36.7	39.2
117.5°	1.3	12.7	25.3	32.9	35.4
120°	1.3	11.4	24.1	30.4	31.6
122.5°	1.3	11.4	22.8	27.8	29.1
125°	1.3	11.4	22.8	26.6	27.8
127.5°	1.3	10.1	21.5	25.3	25.3
130°	1.3	10.1	20.3	24.1	24.1
132.5°	1.3	8.9	19.0	22.8	24.1
135°	1.3	8.9	17.7	21.5	22.8
137.5°	1.3	7.6	16.5	20.3	21.5
140°	1.3	7.6	15.2	19.0	20.3
142.5°	1.3	6.3	13.9	17.7	19.0
145°	1.3	6.3	12.7	16.5	17.7
147.5°	1.3	6.3	11.4	15.2	16.5
150°	1.3	5.1	10.1	13.9	15.2
152.5°	1.3	5.1	8.9	12.7	13.9
155°	1.3	3.8	7.6	11.4	12.7
157.5°	1.3	3.8	7.6	10.1	11.4
160°	2.5	3.8	6.3	8.9	10.1
162.5°	1.3	2.5	6.3	7.6	8.9
165°	2.5	2.5	5.1	6.3	7.6
167.5°	2.5	2.5	3.8	5.1	6.3
170°	2.5	2.5	3.8	3.8	5.1
172.5°	2.5	2.5	2.5	3.8	2.5
175°	2.5	2.5	2.5	2.5	1.3
177.5°	2.5	2.5	2.5	2.5	1.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.5	2.5	2.5	2.5	2.5

(END OF REPORT)